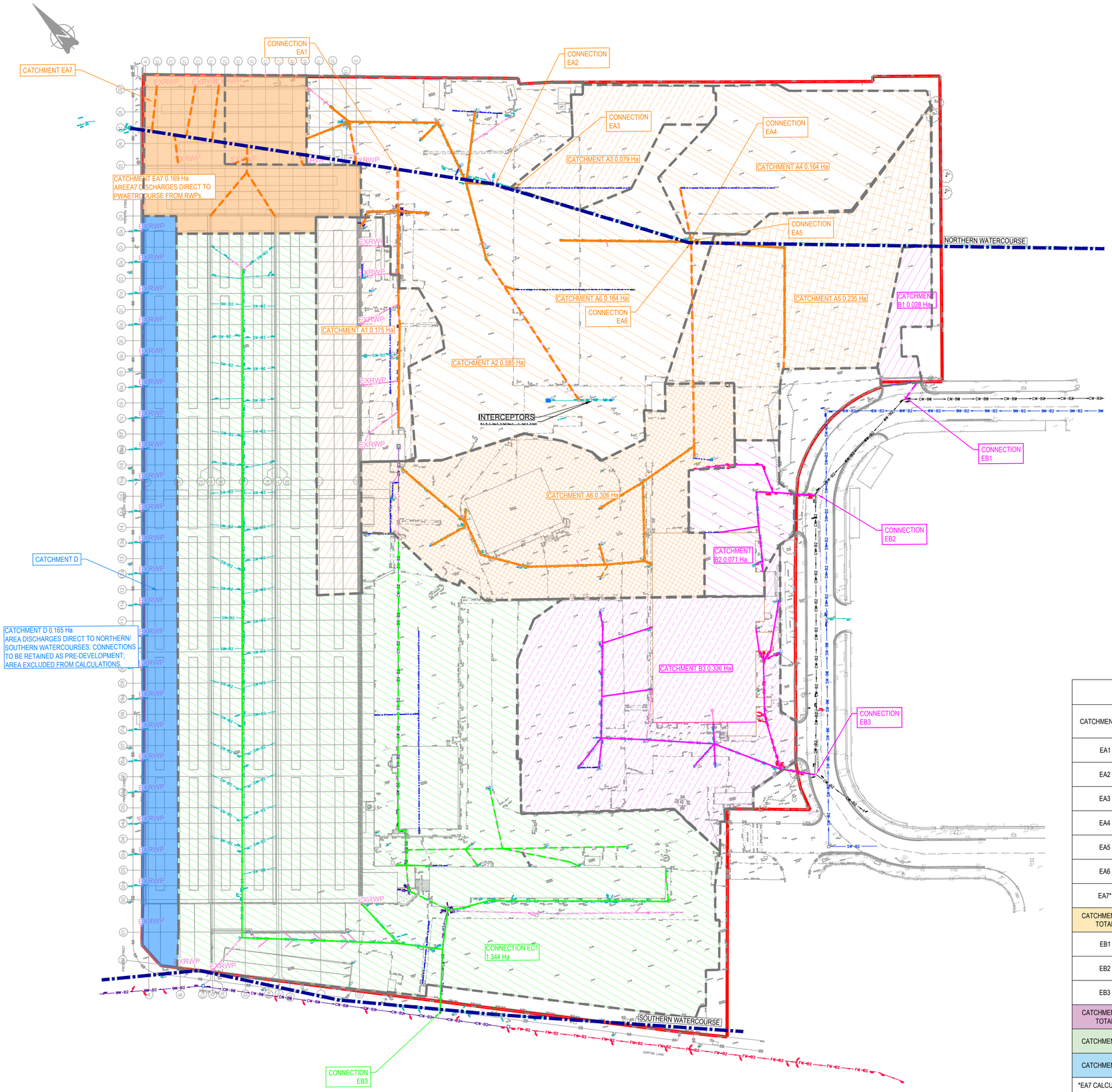
DRAWING BASED ON:
- TOPOGRAPHICAL SURVEY BY SEP S15724-T
- GPR SURVEY BY SEP S17480-U DEC 2018 JUNE 2018
- CCTV SURVEY BY SEP DRAINAGE SURVEYS LTD DEC 2018, AUG 2020 & SEP 2021
- UU RECORDS UUPS-ORD-76950

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.



KEY:

- PROPOSED SITE BOUNDARY BASED ON 18021-FRA-ZZ-XX-DR-A-1003-P1
- INDICATIVE LOCATION OF CULVERTED WATERCOURSE

CATCHMENT A
- EXISTING DRAINAGE ROUTE (SURVEYED)
- EXISTING DRAINAGE ROUTE (ASSUMED)
- CATCHMENT AREA A1
- CATCHMENT AREA A2
- CATCHMENT AREA A3
- CATCHMENT AREA A4
- CATCHMENT AREA A5
- CATCHMENT AREA A6
- CATCHMENT AREA EA7

CATCHMENT B
- EXISTING DRAINAGE ROUTE (SURVEYED)
- EXISTING DRAINAGE ROUTE (ASSUMED)
- CATCHMENT AREA B1
- CATCHMENT AREA B2
- CATCHMENT AREA B3

CONNECTION EC
- EXISTING DRAINAGE ROUTE (SURVEYED)
- EXISTING DRAINAGE ROUTE (ASSUMED)
- CATCHMENT AREA C

CATCHMENT D
- CATCHMENT AREA D
- EXISTING LINEAR DRAIN
- EXISTING GULLY

TABLE 1: PREDEVELOPMENT FLOW RATES: BASED ON FLOW MODELLING SOFTWARE

CATCHMENT REF	AREA (Ha)	FLOW RATE - 1:1 YEAR STORM EVENT	FLOW RATE - 1:30 YEAR STORM EVENT	FLOW RATE - 1:100 YEAR STORM EVENT
EA1	0.175	20.2	49.5	63.7
EA2	0.585	20.8	26.2	27.2
EA3	0.067	8.0	19.5	25.1
EA4	0.164	19.1	39.7	42.3
EA5	0.235	17.8	34.9	35.4
EA6	0.306	25.6	35.9	38.8
EA7*	0.169	7.0	16.9	22.2
CATCHMENT EA TOTAL	1.701	118.5	192.6	254.7
EB1	0.028	3.3	8.1	10.4
EB2	0.071	8.1	20.3	25.4
EB3	0.336	38.3	83.4	100.0
CATCHMENT EB TOTAL	0.435	49.7	111.8	135.8
CATCHMENT EC	1.344	112.2	219.6	263.3
CATCHMENT ED	0.165	EXCLUDED FROM CALCULATIONS: EXISTING RWPs CONNECT DIRECT TO WATERCOURSES, & ARE TO BE RETAINED.		

*EA7 CALCULATED USING MODIFIED RATIONAL METHOD AS RWP CONNECTIONS ARE ASSUMED TO CONNECT DIRECT TO WATERCOURSE

Rev:	Description:	Date:	By:	Chkd:
P02	UPDATED DRAINAGE	07.07.23	ATL	MW
P01	ISSUED FOR COMMENTS	16.06.23	KS	MW

curtins
Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2394
manchester@curtins.com
www.curtins.com
Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham

Status: PRELIMINARY

Project: HAMMERSTONE ROAD

Drg Title: EXISTING CATCHMENT PLAN

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
068065	A1	02.06.23	KS	ATL	MW
	Scale: 1:500				

Project Code: Originator: Zone: Level: Type: Discipline: Category / Number: Rev:

HDR - CUR - XX - 00 - DR - C - 92-621 - P02

\\mafs02\Projects\068001 - 069000\068065 - Hammerstone Road Depot\0MS-1 Production\B Models & Drawings_Civil-C\CAD\new planning application\